# UNITED STATES PATENT AND TRADEMARK OFFICE

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| 09/575,984 | 05/23/2000 | Alan Lin | 5244-0127-2 | 3072 |

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| EXAMINER |
|---|
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| ART UNIT | PAPER NUMBER |
|---|---|
| 2624 | |

DATE MAILED: 12/16/2003

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Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 10/03)

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Office Action Summary

| | Application No. | Applicant(s) |
|---|---|---|
| | 09/575,984 | LIN, ALAN |
| | Examiner | Art Unit |
| | Justin Foster | 2624 |

*-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --*

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) FROM
THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

1)☐ Responsive to communication(s) filed on _____.

2a)☐ This action is **FINAL**.    2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

4)☒ Claim(s) *1-26* is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-26* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

**Application Papers**

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on *5/23/00* is/are: a)☐ accepted or b)☒ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. §§ 119 and 120**

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All b)☐ Some * c)☐ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

13)☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

    a) ☐ The translation of the foreign language provisional application has been received.

14)☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

**Attachment(s)**

1) ☒ Notice of References Cited (PTO-892)

2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____.

4) ☐ Interview Summary (PTO-413) Paper No(s). _____.

5) ☐ Notice of Informal Patent Application (PTO-152)

6) ☐ Other: .

# DETAILED ACTION

## *Drawings*

1.      Figures 1-4 should be designated by a legend such as --Prior Art-- because only that

which is old is illustrated.  See MPEP § 608.02(g).  A proposed drawing correction or corrected

drawings are required in reply to the Office action to avoid abandonment of the application.  The

objection to the drawings will not be held in abeyance.

## *Claim Rejections - 35 USC § 102*

2.      The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the

basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3.      Claims 1-2, 9-10 and 17 are rejected under 35 U.S.C. 102(e) as being anticipated by

Simpson, *et al.* (6,512,592).  With regard to claim 1, Simpson discloses a method of managing a

print job (figure 6), comprising the steps of transmitting print job information to a printer

(receive print data, column 10, line 59); storing said print job information in a storage device

(print data storage area, column 10, line 60) separate from said printer; prompting a user to enter

identification information at a computer separate from said printer (column 10, lines 63-65); and

comparing said identification information with information stored in said storage device

(determining that the PIN number has been supplied, column 10, line 67 through column 11, line

1).

4.     With regard to claim 2, Simpson discloses the invention as stated in claim 1. It is

inherent that print job information is transmitted to said printer from said computer.

5.     With regard to claim 9, Simpson discloses a system for managing a print job (figure 6),

comprising a means for transmitting print job information to a printer (receive print data, column

10, line 59); means for storing said print job information (column 10, lines 59-60); means for

prompting a user to enter identification information at a computer separate from said printer

(column 10, lines 63-65); and means for comparing said identification information with

information stored in said storage device (determining that the PIN number has been supplied,

column 10, line 67 through column 11, line 1).

6.     With regard to claim 10, Simpson discloses the invention as stated in claim 9. It is

inherent that print job information is transmitted to said printer from said computer.

7.     With regard to claim 17, Simpson discloses a computer storage medium (memory 16,

figure 1) and a computer program code mechanism (control firmware 18, figure 1) embedded in

the computer storage medium for causing a computer to manage a print job, the computer

program code mechanism comprising a first computer code device configured to transmit print

job information from said computer to a printer separate from said computer (receive print data,

column 10, line 59); a second computer code device configured to store said print job

information in a storage device (print data storage area, column 10, line 60) separate from said

printer; a third computer code device configured to prompt a user to enter identification

information at said computer (column 10, lines 63-65); and a fourth computer code device

configured to compare said identification information with information stored in said storage

device (determining that the PIN number has been supplied, column 10, line 67 through column

11, line 1).

8.      Claim 24 is rejected under 35 U.S.C. 102(e) as being anticipated by Yellepeddy, *et al.*

(6,288,790). Yellepeddy discloses a graphical user interface for managing a print job from a

computer (replay graphical user interface (GUI), column 4, lines 39-41) comprising a display of

printing attributes transmitted to a printer separate from said computer (see figure 3B); an input

to edit said printing attributes (inherent from "user may additionally edit the contents of a print

job", column 7, lines 9-11); and a first push button configured to be selected so as to transmit

printing attributes edited with said input to said printer and to a storage device separate from said

printer ("dual state START/STOP pushbutton to control the relay process", column 7, lines 15-

16).

## Claim Rejections - 35 USC § 103

9.      The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in
> section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are
> such that the subject matter as a whole would have been obvious at the time the invention was made to a person
> having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the
> manner in which the invention was made.

10.     Claims 3-8 are rejected under 35 U.S.C. 103(a) as being unpatentable over Simpson, as

applied to claim 1 above, and in further view of Yellepeddy. With regard to claim 3, Simpson

discloses the invention as stated in claim 1. Simpson further discloses validating said

identification information (determining that the PIN number has been supplied, column 10, line

67 through column 11, line 1). Simpson does not disclose displaying at least part of said print job information at said computer. Yellepeddy teaches, in lines 39-41 of column 4, displaying a replay graphical user interface (GUI) to a user at a computer. Figure 3B shows an image of this GUI containing "Document Name", "Job Status", and "Job Size" information, which are inherently at least part of print job information. It would have been obvious to one of ordinary skill in the art at the time the invention was made for the method of Simpson to include the step of displaying at least part of said print job information at said computer. This would provide an improved method for print support for data processing systems by showing the user the status of the print job.

11.     With regard to claim 4, the combination of Simpson and Yellepeddy discloses the invention as stated in claim 3. Yellepeddy further discloses editing said at least part of said print job information at said computer ("edit the contents of a print job", column 7, lines 9-11). This will inherently update said storage device with print job information edited in said editing step.

12.     With regard to claim 5, the combination of Simpson and Yellepeddy discloses the invention as stated in claim 4. Yellepeddy further discloses transmitting to said printer said print job information edited in said editing step ("print job is spooled to remote printer queue", column 4, lines 55-56).

13.     With regard to claim 6, the combination of Simpson and Yellepeddy discloses the invention as stated in claim 3. Yellepeddy further discloses editing said at least part of said print job information at said computer ("edit the contents of a print job", column 7, lines 9-11). Yellepeddy further discloses transmitting to said printer said print job information edited in said editing step ("print job is spooled to remote printer queue", column 4, lines 55-56).

14.     With regard to claim 7, the combination of Simpson and Yellepeddy discloses the

invention as stated in claim 6. Yellepeddy further discloses, in lines 9-11 of column 7, editing

the contents of a print job while it is in a transient printer queue. This is equivalent to replacing a

first set of printing information with a second set of printing information when said second set

includes a same identification information as said first set.

15.     With regard to claim 8, the combination of Simpson and Yellepeddy discloses the

invention as stated in claim 7. Yellepeddy further discloses, in lines 55-56 of column 4, spooling

a print job to a printer queue after displaying the replay GUI. This is inherently printing a

document according to said second set of printing information.

16.     Claims 11-16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Simpson, as

applied to claim 10 above, and in further view of Yellepeddy. With regard to claim 11, Simpson

discloses the invention as stated in claim 10. Simpson further discloses means for validating said

identification information (determining that the PIN number has been supplied, column 10, line

67 through column 11, line 1). Simpson does not disclose means for displaying at least part of

said print job information at said computer. Yellepeddy teaches, in lines 39-41 of column 4,

displaying a replay graphical user interface (GUI) to a user at a computer. Figure 3B shows an

image of this GUI containing "Document Name", "Job Status", and "Job Size" information,

which are inherently at least part of print job information. It would have been obvious to one of

ordinary skill in the art at the time the invention was made for the system of Simpson to include

means for displaying at least part of said print job information at said computer. This would

provide an improved method for print support for data processing systems by showing the user

the status of the print job.

17.    With regard to claim 12, the combination of Simpson and Yellepeddy discloses the

invention as stated in claim 11. Yellepeddy further discloses means for editing said at least part

of said print job information at said computer ("edit the contents of a print job", column 7, lines

9-11). This will inherently update said storage device with print job information edited in said

editing step.

18.    With regard to claim 13, the combination of Simpson and Yellepeddy discloses the

invention as stated in claim 12. Yellepeddy further discloses means for transmitting to said

printer said print job information edited with said means for editing ("print job is spooled to

remote printer queue", column 4, lines 55-56).

19.    With regard to claim 14, the combination of Simpson and Yellepeddy discloses the

invention as stated in claim 11. Yellepeddy further discloses means for editing said at least part

of said print job information at said computer ("edit the contents of a print job", column 7, lines

9-11). Yellepeddy further discloses means for transmitting to said printer said print job

information edited with said means for editing ("print job is spooled to remote printer queue",

column 4, lines 55-56).

20.    With regard to claim 15, the combination of Simpson and Yellepeddy discloses the

invention as stated in claim 14. Yellepeddy further discloses, in lines 9-11 of column 7, editing

the contents of a print job while it is in a transient printer queue. This is equivalent to a means

for replacing a first set of printing information with a second set of printing information when

said second set includes a same identification information as said first set.

21.    With regard to claim 16, the combination of Simpson and Yellepeddy discloses the

invention as stated in claim 15. Yellepeddy further discloses, in lines 55-56 of column 4,

spooling a print job to a printer queue after displaying the replay GUI. This is inherently a means for printing a document according to said second set of printing information.

22.     Claims 18-23 are rejected under 35 U.S.C. 103(a) as being unpatentable over Simpson, as applied to claim 17 above, and in further view of Yellepeddy. With regard to claim 18, Simpson discloses the invention as stated in claim 17. Simpson further discloses a fifth computer code device configured to validate said identification information (determining that the PIN number has been supplied, column 10, line 67 through column 11, line 1). Simpson does not disclose a sixth computer code device configured to display at least part of said print job information at said computer. Yellepeddy teaches, in lines 39-41 of column 4, displaying a replay graphical user interface (GUI) to a user at a computer. Figure 3B shows an image of this GUI containing "Document Name", "Job Status", and "Job Size" information, which are inherently at least part of print job information. It would have been obvious to one of ordinary skill in the art at the time the invention was made for the computer program product of Simpson to include a computer code device configured to display at least part of said print job information at said computer. This would provide an improved method for print support for data processing systems by showing the user the status of the print job.

23.     With regard to claim 19, the combination of Simpson and Yellepeddy discloses the invention as stated in claim 18. Yellepeddy further discloses a computer code device configured to edit said at least part of said print job information at said computer ("edit the contents of a print job", column 7, lines 9-11). This will inherently update said storage device with print job information edited in said editing step.

24.     With regard to claim 20, the combination of Simpson and Yellepeddy discloses the

invention as stated in claim 19.  Yellepeddy further discloses a computer code device configured

to transmit to said printer said print job information edited with said means for editing ("print job

is spooled to remote printer queue", column 4, lines 55-56).

25.     With regard to claim 21, the combination of Simpson and Yellepeddy discloses the

invention as stated in claim 18.  Yellepeddy further discloses a computer code device configured

to edit said at least part of said print job information at said computer ("edit the contents of a

print job", column 7, lines 9-11).  Yellepeddy further discloses a computer code device

configured to transmit to said printer said print job information edited with said means for

editing ("print job is spooled to remote printer queue", column 4, lines 55-56).

26.     With regard to claim 22, the combination of Simpson and Yellepeddy discloses the

invention as stated in claim 21.  Yellepeddy further discloses, in lines 9-11 of column 7, editing

the contents of a print job while it is in a transient printer queue.  This is equivalent to a

computer code device configured to replace a first set of printing information with a second set

of printing information when said second set includes a same identification information as said

first set.

27.     With regard to claim 23, the combination of Simpson and Yellepeddy discloses the

invention as stated in claim 22.  Yellepeddy further discloses, in lines 55-56 of column 4,

spooling a print job to a printer queue after displaying the replay GUI.  This is inherently a

computer code device configured to print a document according to said second set of printing

information.

28.     Claim 25 is rejected under 35 U.S.C. 103(a) as being unpatentable over Yellepeddy, as

applied to claim 24 above, and in further view of Momose, *et al.* (6,301,013) and Rigau, *et al.*

(5,745,659).  Yellepeddy discloses the invention as stated in claim 24.  Yellepeddy does not

disclose a first sub-window configured to display and receive printing orientation information or

a second sub-window configured to display and receive printing layout information or a third

wub-window configured to display and receive printing paper size information.  Momose

teaches, in lines 15-19 of column 14, a window for setting printing orientation information.

Momose further teaches, in lines 19-23 of column 14, a window for setting printing layout

information.  It would have been obvious to one of ordinary skill in the art at the time the

invention was made to include a first sub-window configured to display and receive printing

orientation information and a second sub-window configured to display and receive printing

layout information.  This would allow the user to easily access this information.  Rigau teaches,

in lines 20-24 of column 3, a window for configuring paper size.  It would have been obvious to

one of ordinary skill in the art at the time the invention was made to include a third sub-window

configured to display and receive printing paper size information.  This would allow the user to

easily access this information.

29.     Claim 26 is rejected under 35 U.S.C. 103(a) as being unpatentable over Yellepeddy.

Claim 24 is disclosed by Yellepeddy.  Yellepeddy further discloses, in lines 15-16 of column 7,

"a dual state START/STOP pushbutton to control the relay process.  This is equivalent to a

second push button configured to be selected so as to end a print job managing sequence since

the pushbutton of Yellepeddy is dual state and acts as the first and second push button of the

claimed invention.

### *Conclusion*

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Justin Foster whose telephone number is (703)305-1900. The

examiner can normally be reached on 8:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, David Moore can be reached on (703)308-7452. The fax phone number for the

organization where this application or proceeding is assigned is (703)872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding

should be directed to the receptionist whose telephone number is (703)305-3900.

JF

DAVID MOORE
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